

**From:** [Jon Rauscher](#)  
**To:** [Mike Schaub](#); [Laura Hunt](#)  
**Subject:** Fw: QASP  
**Date:** 05/15/2010 09:40 AM  
**Attachments:** [Appendix A - DQO 1\\_2.pdf](#)  
[Appendix B - EPA ERT and START SOPs.pdf](#)  
[Appendix C - Sentinel Monitoring Stations - Latitude and Longitude.pdf](#)  
[Appendix D - EPA Region 6 Air Sampling and Monitoring QASP 050510.pdf](#)  
[Appendix E- EPA Region 6 Water and Sediment QASP050510final.pdf](#)  
[Appendix F - EPA Water Quality Benchmarks 10May10.pdf](#)  
[Appendix G - EPA Hazardous Air Pollutant Screening Levels.pdf](#)

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----- Forwarded by Paige Delgado/R6/USEPA/US on 05/15/2010 09:35 AM -----

**From:** "Beck, Robert" <Robert.Beck@WestonSolutions.com>  
**To:** Paige Delgado/R6/USEPA/US@EPA  
**Cc:** "Criner, Jeffrey J." <Jeff.Criner@WestonSolutions.com>, "Shappee, Cecilia" <C.Shappee@WestonSolutions.com>, "Moore, David" <David.Moore@WestonSolutions.com>, "Martin, Andrew" <Andrew.Martin@WestonSolutions.com>, "Benson, Brian" <Brian.Benson@WestonSolutions.com>, "Swift, Paul" <Paul.Swift@WestonSolutions.com>  
**Date:** 05/15/2010 09:10 AM  
**Subject:** RE: QASP

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Appendices attached.

**From:** Beck, Robert  
**Sent:** Saturday, May 15, 2010 9:06 AM  
**To:** 'Delgado.Paige@epamail.epa.gov'  
**Cc:** Criner, Jeffrey J.; Shappee, Cecilia; Moore, David; Martin, Andrew; Benson, Brian; Swift, Paul  
**Subject:** QASP

Paige,

Please attached the draft QASP and figures. We've tried to incorporate the comments that you provided, as well as the technical discussions that we held yesterday. I wasn't sure who to send these to (didn't want to clog up everyone's email inbox). You'll either need to advise me on who to send it to, or do the distribution on your end. Will follow up with another email with the appendices.

Areas that should be reviewed closely:

- 1) DQO's. We've created a DQO for water, and we are still working on one for air. We included sort of a shell for the air DQO to show you where we're headed.
- 2) Screening levels. We incorporated what Jon had provided. Note, many of the compounds of concern are not in the tables. Not sure how to rectify.
- 3) Note, we did find a TCEQ Effect Screening Level (ESL) for 2-butoxyethanol of 18 ppb. TCEQ ESL's are similar to ambient NOEL's or no adverse effect levels.
- 4) We tentatively think that including TICs for full-scan, large-volume GC/MS is the best alternative as we had discussed. We won't have MDLs/RLs for many of the alkyl homologues. 24 hour TAT may not be possible for that analysis - less than 72 hours may be optimistic. Expect pricing to be \$400 - \$500/sample for PAHs.
- 5) It may be best to analyze DO in the field or in a close-support location. Recommend using the probe method rather than Winkler titration to minimize interferences - probe values will need to be adjusted for salinity.
- 6) NN and TKN are around \$60/ea/sample. No pricing or source for chlorophyll a.

I assume we'll likely need a conference call to discuss after y'all have had a chance to review. I'd propose 11:30 central at the same number(s): 1-866-410-2480, ID 210-308-4315.

**Robert B. Beck, P.E.**

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